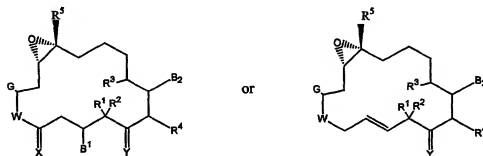


## The Claims

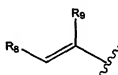
What is claimed is:

1. A method of increasing the bioavailability of orally administered
  - 5 epothilones comprising orally administering to a human one or more epothilones of
- Formula:



wherein:

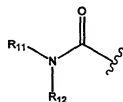
- G is selected from the group consisting of alkyl, substituted alkyl, aryl,
- 10 substituted aryl, heterocyclo,



(a)



(b)



(c)

- W is O or NR<sub>16</sub>;
- 15 X is O; S; CHR<sub>17</sub>; or H, R<sub>18</sub>;
- Y is selected from the group consisting of O; H, H; H, OR<sub>22</sub>; OR<sub>23</sub>, OR<sub>23</sub>; NOR<sub>24</sub>; H, NOR<sub>25</sub>; H, HNR<sub>26</sub>R<sub>27</sub>; NHNR<sub>28</sub>R<sub>29</sub>; H, NHNR<sub>30</sub>R<sub>31</sub> or CHR<sub>32</sub>, where OR<sub>23</sub>, OR<sub>23</sub> can be a cyclic ketal;
- B<sub>1</sub> and B<sub>2</sub> are selected from the group consisting of H, OR<sub>33</sub>, OCOR<sub>34</sub>,
- 20 OCONR<sub>35</sub>R<sub>36</sub>, NR<sub>37</sub>R<sub>38</sub>, or NR<sub>39</sub>CONR<sub>40</sub>R<sub>41</sub>;
- D is selected from the group consisting of NR<sub>42</sub>R<sub>43</sub> or heterocyclo;

R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, and R<sub>5</sub> are selected from H, lower alkyl;

R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub> and R<sub>11</sub> are selected from the group consisting of H, alkyl, substituted alkyl, aryl, substituted aryl, cycloalkyl, heterocyclo or substituted heterocyclo;

- 5 R<sub>17</sub>, R<sub>18</sub>, R<sub>22</sub>, and R<sub>23</sub> are selected from the group consisting of H, alkyl, and substituted alkyl;

R<sub>24</sub>, R<sub>25</sub>, R<sub>26</sub>, R<sub>28</sub>, R<sub>30</sub>, R<sub>32</sub>, R<sub>33</sub>, R<sub>34</sub>, R<sub>35</sub>, R<sub>36</sub>, R<sub>37</sub>, R<sub>39</sub>, R<sub>40</sub>, R<sub>41</sub>, R<sub>42</sub>, R<sub>51</sub>, R<sub>52</sub>, R<sub>53</sub>, and R<sub>61</sub> are selected from the group of H, alkyl, substituted alkyl, aryl or substituted aryl;

- 10 R<sub>12</sub>, R<sub>16</sub>, R<sub>27</sub>, R<sub>29</sub>, R<sub>31</sub>, R<sub>38</sub>, and R<sub>43</sub>, are selected from the group consisting of H, alkyl, substituted alkyl, substituted aryl, cycloalkyl, heterocyclo, R<sub>51</sub>C=O, R<sub>52</sub>OC=O, R<sub>53</sub>SO<sub>2</sub>, hydroxy, and O-alkyl or O-substituted alkyl,  
or a pharmaceutically acceptable salt, solvate, clathrate, hydrate or prodrug thereof, and orally administering one or more pharmaceutically acceptable acid  
15 neutralizing buffers.

2. The method of claim 1, wherein the pharmaceutically acceptable acid neutralizing buffer is administered concurrently with the epothilone.

- 20 3. The method of claim 1, wherein the pharmaceutically acceptable acid neutralizing buffer is administered before the epothilone.

4. The method of claim 3, wherein the pharmaceutically acceptable acid neutralizing buffer is administered not more than about 1 hour before the epothilone.

25

5. The method of claim 1, wherein the pharmaceutically acceptable acid neutralizing buffer is administered after the epothilone.

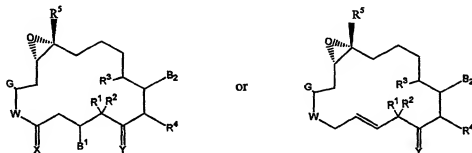
6. The method of claim 5, wherein the pharmaceutically acceptable acid  
30 neutralizing buffer is administered not more than about 1 hour after the epothilone.

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7. The method of claim 1, wherein the pharmaceutically acceptable acid neutralizing buffer is administered before and after the epoithilone.
8. The method of claim 7, wherein the pharmaceutically acceptable acid neutralizing buffer is administered not more than about 1 hour before and not more than about 1 hour after the epoithilone is administered.
9. The method of claim 1, wherein the pharmaceutically acceptable acid neutralizing buffer is administered in an amount sufficient to deliver at least about 20 milliequivalents of acid neutralization capacity.
10. The method of claim 1, wherein the pharmaceutically acceptable acid neutralizing buffer is administered as an aqueous solution having a pH of between about 5 to 9.
- 15 11. The method of claim 1, wherein the pharmaceutically acceptable acid neutralizing buffer is administered as an aqueous solution comprising anhydrous dibasic sodium phosphate, sodium citrate dihydrate, and anhydrous citric acid.
- 20 12. The method of claim 11, wherein the pH of the aqueous solution is about 7.
13. The method of claim 1, wherein the bioavailability of the one or more epoithilones or a pharmaceutically acceptable salt, solvate, clathrate, hydrate, or prodrug thereof is at least about 20 percent.
- 25 14. The method of claim 1, wherein the one or more epoithilones or a pharmaceutically acceptable salt, solvate, clathrate, hydrate, or prodrug thereof is orally administered as a solution in propylene glycol and ethanol, wherein the in ratio of propylene glycol:ethanol is about 80:20.
- 30

15. The method of claim 1, wherein the one or more epothilones or a pharmaceutically acceptable salt, solvate, clathrate, hydrate, or prodrug thereof is administered in a total amount of about 0.05 to about 200 mg/kg/day.
16. The method of claim 15, wherein the one or more epothilones or a pharmaceutically acceptable salt, solvate, clathrate, hydrate, or prodrug thereof is administered in about 2 to 4 divided doses.
17. The method of claim 1, wherein the epothilone is [1S-[1R\*, 3R\*(E), 7R\*, 10S\*, 11R\*, 16S\*]]-7, 11-dihydroxy 8, 8,10,12,16-pentamethyl-3-[1-methyl-2-(2-methyl-4-thiazolyl)ethenyl-17-oxa-4-azabicyclo[14.1.0]heptadecane-5, 9-dione.
18. The method of claim 1 comprising:
- (a) orally administering an aqueous solution of a pharmaceutically acceptable acid neutralizing buffer comprising anhydrous dibasic sodium phosphate, sodium citrate dihydrate, and anhydrous citric acid;
- (b) orally administering the one or more epothilones or a pharmaceutically acceptable salt, solvate, clathrate, hydrate, or prodrug thereof as a solution of propylene glycol; and
- (c) orally administering an aqueous solution of a pharmaceutically acceptable acid neutralizing buffer comprising anhydrous dibasic sodium phosphate, sodium citrate dihydrate, and anhydrous citric acid;
19. The method of claim 18, wherein the epothilone is [1S-[1R\*, 3R\*(E), 7R\*, 10S\*, 11R\*, 16S\*]]-7, 11-dihydroxy 8, 8,10,12,16-pentamethyl-3-[1-methyl-2-(2-methyl-4-thiazolyl)ethenyl-17-oxa-4-azabicyclo[14.1.0]heptadecane-5, 9-dione.

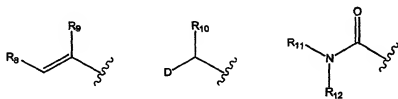
20. A kit for use in a method of increasing the bioavailability of orally administered epothilones which comprises:

(i) a first component comprising one or more epothilones of Formula:



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10 G is selected from the group consisting of alkyl, substituted alkyl, aryl, substituted aryl, heterocyclo,



W is O or NR<sub>16</sub>;

X is O; S; CHR<sub>17</sub>; or H, R<sub>18</sub>

15 Y is selected from the group consisting of O; H, H; H, OR<sub>22</sub>; OR<sub>23</sub>, OR<sub>23</sub>; NOR<sub>24</sub>; H, NOR<sub>25</sub>; H, HNR<sub>26</sub>R<sub>27</sub>; NHNR<sub>28</sub>R<sub>29</sub>; H, NHNR<sub>30</sub>R<sub>31</sub> or CHR<sub>32</sub>, where OR<sub>23</sub>, OR<sub>23</sub> can be a cyclic ketal;

B<sub>1</sub> and B<sub>2</sub> are selected from the group consisting of H, OR<sub>33</sub>, OCOR<sub>34</sub>,

OCONR<sub>35</sub>R<sub>36</sub>, NR<sub>37</sub>R<sub>38</sub>, or NR<sub>39</sub>CONR<sub>40</sub>R<sub>41</sub>

20 D is selected from the group consisting of NR<sub>42</sub>R<sub>43</sub> or heterocyclo;

R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, and R<sub>5</sub> are selected from H, lower alkyl;

R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub> and R<sub>11</sub> are selected from the group consisting of H, alkyl, substituted alkyl, aryl, substituted aryl, cycloalkyl, heterocyclo or substituted heterocyclo;

5 R<sub>17</sub>, R<sub>18</sub>, R<sub>22</sub>, and R<sub>23</sub> are selected from the group consisting of H, alkyl, and substituted alkyl;

R<sub>24</sub>, R<sub>25</sub>, R<sub>26</sub>, R<sub>28</sub>, R<sub>30</sub>, R<sub>32</sub>, R<sub>33</sub>, R<sub>34</sub>, R<sub>35</sub>, R<sub>36</sub>, R<sub>37</sub>, R<sub>39</sub>, R<sub>40</sub>, R<sub>41</sub>, R<sub>42</sub>, R<sub>51</sub>, R<sub>52</sub>, R<sub>53</sub>, and R<sub>61</sub> are selected from the group of H, alkyl, substituted alkyl, aryl or substituted aryl;

10 R<sub>12</sub>, R<sub>16</sub>, R<sub>27</sub>, R<sub>29</sub>, R<sub>31</sub>, R<sub>38</sub>, and R<sub>43</sub>, are selected from the group consisting of H, alkyl, substituted alkyl, substituted aryl, cycloalkyl, heterocyclo, R<sub>51</sub>C=O, R<sub>52</sub>OC=O, R<sub>53</sub>SO<sub>2</sub>, hydroxy, and O-alkyl or O-substituted alkyl; or a pharmaceutically acceptable salt, solvate, clathrate, hydrate, or prodrug thereof; and

(ii) a second component comprising a pharmaceutically acceptable acid neutralizing buffer,

15 wherein the first component and the second component are provided as an oral dosage form or as a pharmaceutical composition that can be reconstituted with a solvent to provide a liquid oral dosage.

20 21. The kit of claim 20, wherein at least one of the first component or the second component is provided as a solid oral dosage form.

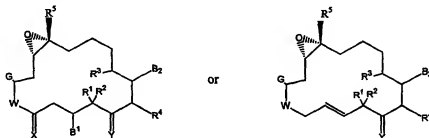
22. The kit of claim 21, wherein at least one of the first component or the second component is anhydrous.

25 23. The kit of claim 20, wherein at least one of the first component or the second component is provided as a pharmaceutical composition that can be reconstituted with a solvent to provide a liquid oral dosage form.

30 24. The kit of claim 23, wherein at least one of the first component or the second component is provided as a tablet.

25. The kit of claim 23, wherein at least one of the first component or the second component is anhydrous.
26. The kit of claim 23, further comprising solvents for reconstituting the first or second components.
27. The kit of claim 26, wherein the solvent for reconstituting the first component is a mixture of propylene glycol and ethanol.
- 10 28. A pharmaceutical composition suitable for oral administration to a mammal comprising:

(i) one or more epothilones of Formula:



wherein:

- 15 G is selected from the group consisting of alkyl, substituted alkyl, aryl, substituted aryl, heterocyclo,



W is O or NR<sup>16</sup>,

X is O; S; CHR<sub>17</sub>; or H, R<sub>18</sub>;

- 20 Y is selected from the group consisting of O; H, H; H, OR<sub>22</sub>; OR<sub>23</sub>, OR<sub>23</sub>; NOR<sub>24</sub>; H, NOR<sub>25</sub>; H, HNR<sub>26</sub>R<sub>27</sub>; NHNR<sub>28</sub>R<sub>29</sub>; H, NHNR<sub>30</sub>R<sub>31</sub> or CHR<sub>32</sub>, where OR<sub>23</sub>, OR<sub>23</sub> can be a cyclic ketal;

B<sub>1</sub> and B<sub>2</sub> are selected from the group consisting of H, OR<sub>33</sub>, OCOR<sub>34</sub>, OCONR<sub>35</sub>R<sub>36</sub>, NR<sub>37</sub>R<sub>38</sub>, or NR<sub>39</sub>CONR<sub>40</sub>R<sub>41</sub>

D is selected from the group consisting of  $\text{NR}_4\text{R}_3$  or heterocyclo;

$\text{R}_1$ ,  $\text{R}_2$ ,  $\text{R}_3$ ,  $\text{R}_4$ , and  $\text{R}_5$  are selected from H, lower alkyl;

$\text{R}_8$ ,  $\text{R}_9$ ,  $\text{R}_{10}$  and  $\text{R}_{11}$  are selected from the group consisting of H, alkyl, substituted alkyl, aryl, substituted aryl, cycloalkyl, heterocyclo or substituted

5 heterocyclo;

$\text{R}_{17}$ ,  $\text{R}_{18}$ ,  $\text{R}_{22}$ , and  $\text{R}_{23}$  are selected from the group consisting of H, alkyl, and substituted alkyl;

$\text{R}_{24}$ ,  $\text{R}_{25}$ ,  $\text{R}_{26}$ ,  $\text{R}_{28}$ ,  $\text{R}_{30}$ ,  $\text{R}_{32}$ ,  $\text{R}_{33}$ ,  $\text{R}_{34}$ ,  $\text{R}_{35}$ ,  $\text{R}_{36}$ ,  $\text{R}_{37}$ ,  $\text{R}_{39}$ ,  $\text{R}_{40}$ ,  $\text{R}_{41}$ ,  $\text{R}_{42}$ ,  $\text{R}_{51}$ ,  $\text{R}_{52}$ ,  $\text{R}_{53}$ , and  $\text{R}_{61}$  are selected from the group of H, alkyl, substituted alkyl, aryl or

10 substituted aryl;

$\text{R}_{12}$ ,  $\text{R}_{16}$ ,  $\text{R}_{27}$ ,  $\text{R}_{29}$ ,  $\text{R}_{31}$ ,  $\text{R}_{38}$ , and  $\text{R}_{43}$ , are selected from the group consisting of H, alkyl, substituted alkyl, substituted aryl, cycloalkyl, heterocyclo,  $\text{R}_5\text{C}=\text{O}$ ,

$\text{R}_{52}\text{OC}=\text{O}$ ,  $\text{R}_{53}\text{SO}_2$ , hydroxy, and O-alkyl or O-substituted alkyl;

or a pharmaceutically acceptable salt, solvate, clathrate, hydrate or prodrug

15 thereof, in solid form; and

(ii) a solid pharmaceutically acceptable acid neutralizing buffer in an amount sufficient to reduce decomposition of the one or more epothilones, or a pharmaceutically acceptable salt, solvate, clathrate, hydrate, or prodrug thereof when the pharmaceutical composition is reconstituted with a solvent to provide a liquid oral  
20 dosage form.

29. The pharmaceutical composition of claim 28, wherein the pharmaceutically acceptable acid neutralizing buffer provides a liquid oral dosage form having a pH between about 5 to 9.

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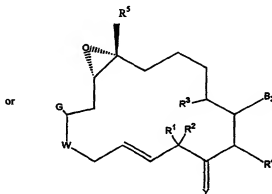
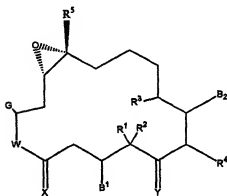
30. The pharmaceutical composition of claim 28, wherein the pharmaceutically acceptable acid neutralizing buffer is present in an amount sufficient to provide at least about 20 milliequivalents of acid neutralization capacity.

30

31. The pharmaceutical composition of claim 28, wherein the pharmaceutically acceptable acid neutralizing buffer is a dibasic phosphate-citric acid-citrate buffer.



32. The pharmaceutical composition of claim 28, wherein the one or more epothilones or a pharmaceutically acceptable salt, solvate, clathrate, hydrate, or prodrug thereof is present in an amount of between about 0.05 and 200 mg.
33. The pharmaceutical composition of claim 28, wherein the epothilone is [1S-[1R\*, 3R\*(E), 7R\*, 10S\*, 11R\*, 16S\*]]-7, 11-dihydroxy 8, 8,10,12,16-pentamethyl-3-[1-methyl-2-(2-methyl-4-thiazolyl)ethenyl-17-oxa-4-azabicyclo[14.1.0]heptadecane-5, 9-dione.
34. A kit comprising the pharmaceutical composition of claim 28 and a solvent for reconstituting the pharmaceutical composition to provide an oral dosage form.
35. The kit of claim 34, wherein the solvent comprises propylene glycol, ethanol, and phosphate buffer (1M, pH 8).
36. The kit of claim 35, wherein the ratio of propylene glycol:ethanol:phosphate buffer is about 58:12:30.
37. A liquid oral dosage form suitable for oral administration to a mammal comprising:
- (i) one or more epothilones of Formula:

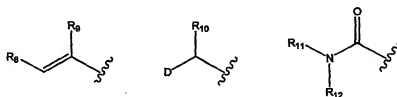


25

wherein:

G is selected from the group consisting of alkyl, substituted alkyl, aryl, substituted aryl, heterocyclo,

5



W is O or NR<sub>16</sub>;

10 X is O; S; CHR<sub>17</sub>; or H, R<sub>18</sub>;

Y is selected from the group consisting of O; H, H; H, OR<sub>22</sub>; OR<sub>23</sub>, OR<sub>23</sub>; NOR<sub>24</sub>; H, NOR<sub>25</sub>; H, HNR<sub>26</sub>R<sub>27</sub>; NHNR<sub>28</sub>R<sub>29</sub>; H, NHNR<sub>30</sub>R<sub>31</sub> or CHR<sub>32</sub>, where OR<sub>23</sub>, OR<sub>23</sub> can be a cyclic ketal;

15 B<sub>1</sub> and B<sub>2</sub> are selected from the group consisting of H, OR<sub>33</sub>, OCOR<sub>34</sub>, OCONR<sub>35</sub>R<sub>36</sub>, NR<sub>37</sub>R<sub>38</sub>, or NR<sub>39</sub>CONR<sub>40</sub>R<sub>41</sub>

D is selected from the group consisting of NR<sub>42</sub>R<sub>43</sub> or heterocyclo;

R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, and R<sub>5</sub> are selected from H, lower alkyl;

R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub> and R<sub>11</sub> are selected from the group consisting of H, alkyl, substituted alkyl, aryl, substituted aryl, cycloalkyl, heterocyclo or substituted

20 heterocyclo;

R<sub>17</sub>, R<sub>18</sub>, R<sub>22</sub>, and R<sub>23</sub> are selected from the group consisting of H, alkyl, and substituted alkyl;

R<sub>24</sub>, R<sub>25</sub>, R<sub>26</sub>, R<sub>28</sub>, R<sub>30</sub>, R<sub>32</sub>, R<sub>33</sub>, R<sub>34</sub>, R<sub>35</sub>, R<sub>36</sub>, R<sub>37</sub>, R<sub>39</sub>, R<sub>40</sub>, R<sub>41</sub>, R<sub>42</sub>, R<sub>51</sub>, R<sub>52</sub>, R<sub>53</sub>, and R<sub>61</sub> are selected from the group of H, alkyl, substituted alkyl, aryl or

25 substituted aryl;

R<sub>12</sub>, R<sub>16</sub>, R<sub>27</sub>, R<sub>29</sub>, R<sub>31</sub>, R<sub>38</sub>, and R<sub>43</sub>, are selected from the group consisting of H, alkyl, substituted alkyl, substituted aryl, cycloalkyl, heterocyclo, R<sub>51</sub>C=O, R<sub>52</sub>OC=O, R<sub>53</sub>SO<sub>2</sub>, hydroxy, and O-alkyl or O-substituted alkyl;

or a pharmaceutically acceptable salt, solvate, clathrate, hydrate or prodrug thereof; and

(ii) a pharmaceutically acceptable liquid carrier.

- 5 38. The liquid oral dosage form of claim 41, wherein the epothilone is [1S-[1R\*, 3R\*(E), 7R\*, 10S\*, 11R\*, 16S\*]]-7, 11-dihydroxy 8, 8,10,12,16-pentamethyl-3-[1-methyl-2-(2-methyl-4-thiazolyl)ethenyl-17-oxa-4-azabicyclo[14.1.0]heptadecane-5, 9-dione.
- 10 39. The liquid oral dosage form of claim 37, further comprising a pharmaceutically acceptable acid neutralizing buffer in an amount sufficient to reduce decomposition of the one or more epothilones, or a pharmaceutically acceptable salt, solvate, clathrate, hydrate, or prodrug thereof compared to a pharmaceutical composition without the buffer.
- 15 40. The liquid oral dosage form of claim 39, wherein the pH of the liquid oral dosage form is between about 5 to 9.
- 20 41. The liquid oral dosage form of claim 39, wherein the buffer is present in an amount sufficient to provide at least about 20 milliequivalents of acid neutralization capacity.
- 25 42. The liquid oral dosage form of claim 37, wherein the solvent is propylene glycol, ethanol, and water buffered with a phosphate buffer at pH about 8.
43. The liquid oral dosage form of claim 42, wherein the propylene glycol, ethanol, and water buffered with a phosphate buffer are present in a ratio of about 58:12:30.
- 30 44. The liquid oral dosage form of claim 42, wherein the epothilone is [1S-[1R\*, 3R\*(E), 7R\*, 10S\*, 11R\*, 16S\*]]-7, 11-dihydroxy 8, 8,10,12,16-pentamethyl-3-[1-

methyl-2-(2-methyl-4-thiazolyl)ethenyl-17-oxa-4-azabicyclo[14.1.0]heptadecane-5,9-dione.

45. The liquid oral dosage form of claim 37, wherein the one or more epothilones or a pharmaceutically acceptable salt, solvate, clathrate, hydrate, or prodrug thereof is present in an amount of between about 0.05 and 200 mg.

46. The liquid oral dosage form of claim 39, wherein the buffer is dibasic phosphate-citric acid-citrate buffer.

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47. An article of manufacture which comprises:

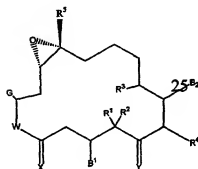
- (a) a sealable container suitable to carry a liquid or solid pharmaceutical;  
(b) one or more epothilones or a pharmaceutically acceptable salt, solvate, clathrate, hydrate or prodrug thereof; and

- 15 (c) a pharmaceutically acceptable carrier suitable to deliver the epothilone orally

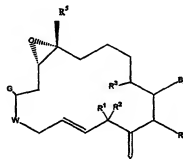
48. A dispersible buffered tablet which comprises:

- (i) one or more epothilones of Formula:

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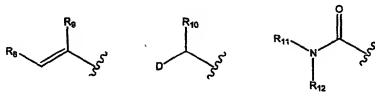


OR



wherein:

G is selected from the group consisting of alkyl, substituted alkyl, aryl, substituted aryl, heterocyclo,



- 5 W is O or NR<sub>16</sub>;  
 X is O; S; CHR<sub>17</sub>; or H, R<sub>18</sub>;  
 Y is selected from the group consisting of O; H, H; H, OR<sub>22</sub>; OR<sub>23</sub>, OR<sub>23</sub>;  
 NOR<sub>24</sub>; H, NOR<sub>25</sub>; H, HNR<sub>26</sub>R<sub>27</sub>; NHNR<sub>28</sub>R<sub>29</sub>; H, NHNR<sub>30</sub>R<sub>31</sub> or CHR<sub>32</sub>, where  
 OR<sub>23</sub>, OR<sub>23</sub> can be a cyclic ketal;
- 10 B<sub>1</sub> and B<sub>2</sub> are selected from the group consisting of H, OR<sub>33</sub>, OCOR<sub>34</sub>,  
 OCONR<sub>35</sub>R<sub>36</sub>, NR<sub>37</sub>R<sub>38</sub>, or NR<sub>39</sub>CONR<sub>40</sub>R<sub>41</sub>  
 D is selected from the group consisting of NR<sub>42</sub>R<sub>43</sub> or heterocyclo;  
 R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, and R<sub>5</sub> are selected from H, lower alkyl;  
 R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub> and R<sub>11</sub> are selected from the group consisting of, alkyl,
- 15 substituted alkyl, aryl, substituted aryl, cycloalkyl, heterocyclo or substituted  
 heterocyclo;  
 R<sub>17</sub>, R<sub>18</sub>, R<sub>22</sub>, and R<sub>23</sub> are selected from the group consisting of H, alkyl, and  
 substituted alkyl;  
 R<sub>24</sub>, R<sub>25</sub>, R<sub>26</sub>, R<sub>28</sub>, R<sub>30</sub>, R<sub>32</sub>, R<sub>33</sub>, R<sub>34</sub>, R<sub>35</sub>, R<sub>36</sub>, R<sub>37</sub>, R<sub>39</sub>, R<sub>40</sub>, R<sub>41</sub>, R<sub>42</sub>, R<sub>51</sub>, R<sub>52</sub>,
- 20 R<sub>53</sub>, and R<sub>61</sub> are selected from the group of H, alkyl, substituted alkyl, aryl or  
 substituted aryl;  
 R<sub>12</sub>, R<sub>16</sub>, R<sub>27</sub>, R<sub>29</sub>, R<sub>31</sub>, R<sub>38</sub>, and R<sub>43</sub>, are selected from the group consisting of  
 H, alkyl, substituted alkyl, substituted aryl, cycloalkyl, heterocyclo, R<sub>51</sub>C=O,  
 R<sub>52</sub>OC=O, R<sub>53</sub>SO<sub>2</sub>, hydroxy, and O-alkyl or O-substituted alkyl;
- 25 or a pharmaceutically acceptable salt, solvate, clathrate, hydrate or prodrug  
 thereof; and  
 (ii) buffer components which are suitable to neutralize gastric fluids for a time  
 sufficient to allow said epothilone to be absorbed.

49. The kit of claim 20, wherein the first and second component is provided as a liquid oral dosage form.
50. The kit of claim 49, wherein the one or more epothilones or a
- 5 pharmaceutically acceptable salt, solvate, clathrate, hydrate, or prodrug thereof is present in an amount of between about 0.05 and 200 mg and the pharmaceutically acceptable acid neutralizing buffer is present in an amount sufficient to provide at least about 20 milliequivalents of acid neutralization capacity.
- 10 51. The kit of claim 20, wherein the first component and the second component is provided as a pharmaceutical composition that can be reconstituted with a solvent to provide a liquid oral dosage form; the one or more epothilones or a pharmaceutically acceptable salt, solvate, clathrate, hydrate, or prodrug thereof is present as a in an amount of between about 0.05 and 200 mg; and the pharmaceutically acceptable acid
- 15 neutralizing buffer is present in an amount sufficient to provide at least about 20 milliequivalents of acid neutralization capacity.
52. The kit of claim 20, wherein the epothilone is [1S-[1R\*, 3R\*(E), 7R\*, 10S\*, 11R\*, 16S\*]]-7, 11-dihydroxy 8, 8,10,12,16-pentamethyl-3-[1-methyl-2-(2-methyl-4-
- 20 thiazolyl)ethenyl-17-oxa-4-azabicyclo[14.1.0]heptadecane-5, 9-dione and the pharmaceutically acceptable acid neutralizing buffer comprises dibasic sodium phosphate, sodium citrate, and anhydrous citric acid.